

20010507.qrp v02_n182.qrl.20010507

Date: Mon, 7 May 2001 19:03:06 EDT

From: qrp-l@Lehigh.EDU

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: QRP-L digest 2182

QRP-L Digest 2182

Topics covered in this issue include:

- 1) [97772] Snipe report and log es Nooner comments
by Ron D Doyle <n8var@juno.com>
- 2) [97773] BCD switch pinout
by Andrew Madsen <andrew@utahdesign.com>
- 3) [97774] QRPTTF & Microlight
by "Floyd Smithberg" <nq7x@earthlink.net>
- 4) [97775] Re: BCD switch pinout
by Bruce Muscolino <w6toy@erols.com>
- 5) [97776] Re: the \$2 dollar gallon is HERE !!
by "Steve Sorrell" <ap036@detroit.freenet.org>
- 6) [97777] Re: the \$2 gallon
by "Steve Sorrell" <ap036@detroit.freenet.org>
- 7) [97778] Fw: Re: BCD switch pinout
by Walter D Amos <walt_amos@juno.com>
- 8) [97779] Why do QRPers build? <K2>
by Peter_Simpson@ne.3com.com
- 9) [97780] RE: solar power
by "Lofstead, Jerry" <Jerry.Lofstead@itb.mckhboc.com>
- 10) [97781] DSW PC tuning software
by Jim Giammanco <giamman@rouge.phys.lsu.edu>
- 11) [97782] [OT] Mysteries of Cypher
by John R Kirby <n3aaz-qrp@juno.com>
- 12) [97783] Re: Why do QRPers Build?
by "Lau, Zack, W1VT" <zlau@arrl.org>
- 13) [97784] Re: [OT] Mysteries of Cypher
by "David Porter" <aa3ur@home.com>
- 14) [97785] Re: Why do QRPers Build?
by Brendan Minish <EI6IZ@oceanfree.net>
- 15) [97786] Re: Portable Vertical Ant
by "Bill Jones" <kd7s@psnw.com>
- 16) [97787] RE: Free parts
by "AI2Q Alex" <ai2q@adelphia.net>
- 17) [97788] Re: BCD switch pinout
by Stan Yarema <bg783@scn.org>
- 18) [97789] Re: Portable Vertical Ant
by Gary Slagel <gds slagel@yahoo.com>
- 19) [97790] Re: BCD switch pinout

by "Trevor Jacobs" <fxtech@earthlink.net>
20) [97791] Re: BCD switch pinout
by "w8diz" <w8diz@fpqrp.com>
21) [97792] Re: Why do QRPers Build?
by Mighty Mik <mightymik2@home.com>
22) [97793] Re: Why do QRPers Build?
by Bruce Muscolino <w6toy@erols.com>
23) [97794] Eastern PA QRP Club TAC Contest
by Bob Patten <n4bp@bc.seflin.org>
24) [97795] Ten Tec 1340 40M qrp transceiver
by JJ&A <w7ls@blarg.net>
25) [97796] Re: Why do QRPers Build?
by "DTX" <dtx@wood.tzo.com>
26) [97797] Re: Why do QRPers Build?
by George Gingell <k3tks@u1.abs.net>
27) [97798] Why do QRPers Build?
by "Charles Mabbott" <crmabbott@mediaone.net>
28) [97799] Re: IRC's and \$\$\$
by George Gingell <k3tks@u1.abs.net>
29) [97800] Re: QRPTTF & Microlight
by "Karl F. Larsen" <k5di@zianet.com>
30) [97801] Component help, please
by "Ted Williams" <ted@g0u11.fsnet.co.uk>
31) [97802] Vehicle Mounted Verticals
by George Gingell <k3tks@u1.abs.net>
32) [97803] QRPTTF N4ROA STYLE
by "Dennis Brickey" <n4dd@preferred.com>
33) [97804] Re: QRPTTF & Microlight
by Phil Wheeler <w7ox@earthlink.net>
34) [97805] WB8RCR QSL Maker Software Question
by Henry Freedenberg <henryf@quartz.gly.fsu.edu>
35) [97806] Why do QRPers Build?
by Mike <kd0ar@alltel.net>
36) [97807] Comments on the 1/4 wave counterpoise used on my W3EDP (or random
wire) + L-Tuner config.
by "Sam Billingsley" <sambillingsley@earthlink.net>
37) [97808] Re: Comet HV Portable Vertical Ant
by adamvaz@palm.net (Adam Vazquez)
38) [97809] Dayton, Rooms & events
by Hank Kohl K8DD <k8dd@arrl.net>

Date: Sun, 6 May 2001 07:55:47 -0400
From: Ron D Doyle <n8var@juno.com>
To: fpqrp-l@mpna.com, qrp-l@lehigh.edu
Cc: ac5ii@arrl.net
Subject: [97772] Snipe report and log es Nooner comments

Message-ID: <20010506.083832.-493913.11.n8var@juno.com>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

I was thinking of trying to use my snipe log for the nooner contest but then I read Joel's log and decided I didn't do that bad. It's true, there's always someone worse off than you. Now, who tried the nooner and got 0 contacts?

I worked the Nooner contest from about 12:30 to 2:30 and couldn't hear anyone that I hadn't already contacted and tried cqing until I wasn't getting any thing there either. I had some Boy Scout stuff I wanted to do so quit about 2:30pm. 4 contacts and 3 were very strong with w8pig barely readable but then we were only about 60 miles apart. Diz on the other hand which is probably about 100 miles was a good solid 559. kb8bvn and wv9n were booming in at 599+. wv9n was the only one to answer my cq.

I heard K5TZY at the start of the contest on 10m but couldn't get back to him. I think I had radio problems and wasn't getting out. I broke for lunch and managed to make things work on 40m OK. Listened and cqed on 20 and 15 but nothing to be had there.

Then at 8:00pm the real fun began. All the scouts went to a closing show which left me alone in camp to play radio. WV9N, my last Nooner contact was my first Snipe contact and sounded just as good 6 hours later. About 9:00pm it started getting so dark I couldn't see anymore so I after a qso ended I rushed around lighting lanterns. I got 2 lit before I heard N5IB calling me so chatted with him then lit the other two to return to WA9YDJ calling me. By then I had enough light I was able to see my watch and log.

I said I would be chatty and I was. Each qso netted about 10 to 15 minutes of rag chew. I'm sure there was a lot of patients in making the contact with me because everyone had to wait for me to shut up.:)

It was my first time to use a homemade paddle that I made from pc board stock. It was pretty hard to use and I made many mistakes. The kit that the NJ Club put out used 2 paddles and has the keyer build in. I didn't have the right cable for the Argo 515 so didn't use it. It works much better though. I like the dual paddles because I am more used to them I think. My regular paddle is the Bencher chrome modal. I like a real light touch and the pcboard paddle was too hard to push and hold still too.

Outside of the paddles everything worked as expected. I am real pleased with the BLT. It was my first field trial with it and it worked great. I had some trouble with my 20m EDZ when I broke a wire putting it up. Being creative and using my resources I got it fixed and put in the trees

about 15 to 20 feet up. I chose not to take my sling shot since we were going to be packed like sardines which we were. I had to use trees that were in 2 neighboring campsites since we had a site without any trees. So I didn't get the antenna up as high as I would have liked.

One of the scouts was getting interested and asking a bunch of questions and wanted to talk to someone so I tuned around on 20m for a strong sig and found N4VS coming in real strong. I had just tuned the BLT and thought I was ready. John, N4VS was finishing up a DX qso and I gave him a call and asked if he would move off the dx freq. He was happy to and we had a real nice chat. The scout got to talk a little and was real thrilled. I told John we were on a campout using battery power at 5 watts and he gave me a very respectable 56 to 58. He was running 1kw to a rhombic. I was very pleased with the sig report then after the qso looked at the BLT and it was still on tune. That was quite a surprise. I must have had it attenuated to at least 1 watt I figure and we had a very solid qso! I'm sure the rhombic was helping out a bunch.

We have a campout planned in June and I am ready to do this again. I will be prepared to give it a shot again and may be able to do a snipe hunt on Friday depending on our schedule. I will try to announce my intentions before we go.

Here is my snipe log:

00:10 WV9N, 589, Randy in OH
00:21 AE4IC, 559, Bob in NC
00:28 KV4EE, 599, Craig in SC
00:38 K4JSI, 339, Carl was pretty weak and I didn't get the state.
00:51 N5IB, 339, Bill in Tx, He was very weak and quite a challenge.
00:59 WA9YDJ, 559, Vance in IL
01:19 AJ4AY, 449, Jay in AL
01:32 WB8ICN, 559, Mike in OH
01:48 KF8JW, 599, Phil in OH

Thanks everyone who gave it a shot. Your a great bunch!

72 de Ron, N8VAR
Ron Doyle
n8var@arrl.net

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Date: Sun, 06 May 2001 20:00:06 -0600
From: Andrew Madsen <andrew@utahdesign.com>
To: FPQRP <fpqrp-1@mpna.com>, QRP-L <qrp-1@Lehigh.EDU>
Subject: [97773] BCD switch pinout
Message-ID: <3AF601A6.ED826680@utahdesign.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I just got a bunch of BCD switches from my dad. I'm trying to figure out what the pin out on them is. They are 10 position switches, and they have 6 pins. There is no manufacturer name on them. They have 907 stamped on the side, and 212 and 589 stamped on the bottom. Any suggestions about how to figure out what the pin out is? I don't know which pin is the common pin, and I don't know why there are 6 pins. Thanks!

--
73,
Andrew R. Madsen AC7CF
ac7cf@youngradioamateurs.com
<http://www.youngradioamateurs.com/>
League of Young Radio Amateurs
Utah Section Manager
Electronics Committee Chairman
CW/QRP Committee Co-Chairman

Date: Sun, 6 May 2001 19:19:28 -0700
From: "Floyd Smithberg" <nq7x@earthlink.net>
To: "QRP-L Message" <qrp-1@Lehigh.edu>
Subject: [97774] QRPTTF & Microlight
Message-ID: <000f01c0d69c\$42724080\$2bd41d26@floyd>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Finally...been fighting ISP problems geeesh! Poor condx but managed 104Qs, 13 of the bonus stations, 45 SPC and 800 bonus pts for score of 61,775. Yesterday, after the ScQRPion meeting I stopped at FRY'S to check out any new goodies and found a keychain type flashlight \$9.95 that has a VERY high intensity output...like a laser but diffused. Uses a 100.000 hr micro fluorescent DCCT(Direct Color Chip Technology) bulb..."one mile visibility at night" Uses two 3V lithiums...how long they'll last I haven't a

clue...yet. At close range it's blinding...see it at www.inovalight.com
73 Floyd NQ7X Phoenix,AZ ScQRPion DM33uq

Date: Sun, 06 May 2001 22:18:34 -0400
From: Bruce Muscolino <w6toy@erols.com>
To: andrew@utahdesign.com
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [97775] Re: BCD switch pinout
Message-ID: <3AF605FA.767855CD@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Andrew,

BCD means Binary Coded Decimal. The switch will give a binary representation of the decimal numbers from 0 to 9 as you switch it. Get out your ohmmeter and make up a table on paper. Set the switch to 1 and measure from one end to each of the contacts. Write down where you have contact and where you don't. Soon you will begin to see the pattern.

73

Date: Mon, 7 May 2001 04:17:15 +0100
From: "Steve Sorrell" <ap036@detroit.freenet.org>
To: <w5xe@juno.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [97776] Re: the \$2 dollar gallon is HERE !!
Message-ID: <003b01c0d6a4\$380360e0\$88fa070a@default>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Of course it occurred in the last three months! And it is appropriate. After all, most of us use gas. Now we're getting gassed.
de Steve, W8SFF

Date: Mon, 7 May 2001 04:18:19 +0100
From: "Steve Sorrell" <ap036@detroit.freenet.org>

To: <rscs@goes.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [97777] Re: the \$2 gallon
Message-ID: <003e01c0d6a4\$5e59d4e0\$88fa070a@default>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Naw, if we can talk about submarines, we can talk about gas. Most of us are
gassing all day long anyway.
de Steve, W8SFF

Date: Mon, 7 May 2001 02:27:02 GMT
From: Walter D Amos <walt_amos@juno.com>
To: qrp-1@lehigh.edu
Subject: [97778] Fw: Re: BCD switch pinout
Message-ID: <20010507.103804.-196473.3.walt_amos@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

BCD wow, what is that :-)

Is that BOOLEAN ?

1 = 1

2 = 01

3 = 11

4 = 001

5 = 101

6 = aw , but you know all this stuff :-)

Walt K8CV in Royal Oak, MI.

----- Forwarded message -----
From: Bruce Muscolino <w6toy@erols.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Date: Sun, 06 May 2001 22:18:34 -0400
Subject: Re: BCD switch pinout
Message-ID: <3AF605FA.767855CD@erols.com>

References: <3AF601A6.ED826680@utahdesign.com>

Andrew,

BCD means Binary Coded Decimal. The switch will give a binary representation of the decimal numbers from 0 to 9 as you switch it. Get out your ohmmeter and make up a table on paper. Set the switch to 1 and measure from one end to each of the contacts. Write down where you have contact and where you don't. Soon you will begin to see the pattern.

73

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Date: Mon, 7 May 2001 07:57:50 -0400

From: Peter_Simpson@ne.3com.com

To: qrp-1@lehigh.edu

Cc: ki6ds@dph.dpol.net

Subject: [97779] Why do QRPers build? <K2>

Message-ID: <85256A45.00427F20.00@usboxmta.ne.3com.com>

Mime-Version: 1.0

Content-type: text/plain; charset=us-ascii

Content-Disposition: inline

I can think of a couple more innovations on the K2:

1. REALLY high quality multiband kit rig, done by a "couple of QRPers on a shoestring" and done right, with no module-swapping necessary.
2. Innovative use of microcontrollers to reduce circuit complexity and provide for analog "tweaking" and tuning (thereby giving quite a bit more function for the buck).

The K2 is more rig for the money and circuit complexity than has heretofore been available to the QRPer. Like Wayne and Eric said, it's what Heathkit would have built if they were still around. But it has something else, it has the designers' "dream QRP rig" goals built into it. Turns out

that their dreams aren't so much differne than ours :-).

73,
Peter, KA1AXY
(a K2 "early adopter")

Date: Mon, 7 May 2001 08:29:13 -0400
From: "Lofstead, Jerry" <Jerry.Lofstead@itb.mckhboc.com>
To: "'rattray@gpfn.sk.ca'" <rattray@gpfn.sk.ca>, Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [97780] RE: solar power
Message-ID: <078F21595FA7D411B87B00805FA728E64A4708@atlexc02ntms.hboc.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Look on homepower.com for a lot of info.

Jerry
W3CDE

-----Original Message-----
From: Bruce Rattray [mailto:rattray@gpfn.sk.ca]
Sent: Friday, May 04, 2001 9:09 PM
To: Low Power Amateur Radio Discussion
Subject: QRP:solar power

We have 4 amateurs so far who are interested in an exchange of knowledge and experience so we all can learn the basics of powering our rigs with this source...I would suggest the SUBJECT line be as above so those who are interested can pick the postings out easily and those not interested can DELETE...I'll wait a couple more days for anyone else to let me know that they are interested...then we can begin our exchange of ideas and experience...back later folks...

..72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272
K2#2032 A-1 Operator Club - 10/10# 944 - SOC #11 & #12 - Whiner#10 -
"QRP! How sweet it is!" oo#148 "I am da man wit "DAH" paddle!"

Date: Mon, 07 May 2001 07:49:09 -0500
From: Jim Giammanco <giamman@rouge.phys.lsu.edu>

To: qrp-1@lehigh.edu
Subject: [97781] DSW PC tuning software
Message-ID: <3.0.1.32.20010507074909.00837520@127.0.0.1>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Bill Mabry's (N4QA) newest software for tuning the DSW series transceiver via a PC parallel port has been placed on my web page (with his permission, of course) and is available for download. Point your browser to

<<http://www.qsl.net/n5ib>>

and follow the link beneath the column of thumbnail images

72
Jim N5IB

Jim Giammanco, N5IB and Trustee of W5YW, the LSU club station

<n5ib@juno.com> mail at the home QTH
<giamman@rouge.phys.lsu.edu> mail at LSU Physics and Astronomy
<<http://www.qsl.net/n5ib>> N5IB home page
<<http://www.phys.lsu.edu/faculty/giammanco/giammanco.html>>
faculty home page
(225) 388-8278 [voice-LSU] 225-388-5855 [fax-LSU]
LSU Dept. of Physics & Astronomy, 202 Nicholson Hall
Baton Rouge LA 70803-4001

Date: Mon, 7 May 2001 08:49:46 -0400
From: John R Kirby <n3aaz-qrp@juno.com>
To: qrp-1@Lehigh.EDU
Subject: [97782] [OT] Mysteries of Cypher
Message-ID: <20010507.085130.-142581.1.n3aaz-qrp@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Some GOOD reading on the subject that will take you from
a 'few hundred BC through the quantum theory of cypher (radio included).

The Codebreakers by David Kahn ISBN 0-684-83130-9 (The "CLASSIC")

The Code Book by Simon Singh ISBN 0-385-49531-5 (new WOW ! ! !)

Code Breakers edited by Hinsley and Stripp ISBN 0-19-285301-X (inside story of Bletchley Park)

Enjoy
John
N3AAZ

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Date: Mon, 7 May 2001 08:54:29 -0400
From: "Lau, Zack, W1VT" <z1au@arrl.org>
To: "'qrp-1@Lehigh.EDU'" <qrp-1@Lehigh.EDU>
Subject: [97783] Re: Why do QRPers Build?
Message-ID: <125490A005E3D3118C9C00805FC743CC016B9E1A@KAHLESS>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

How about the DB6NT 10GHz transverter in the May 2001 QST?
It is considerably different than either the K1, K2, SW 20+, SW40+,
MFJ9340K, or Ten Tec 1056--I've built them all since my stroke.

I'm still working on a wide variety of projects, even after building gear
to get on 20 amateur bands:

Phase locking to GPS--should allow PSK-31 on 10GHz
24GHz SSB at the 1/2 watt level
Custom brass tuning knobs machined on my lathe/mill
47GHz and higher transverters.
Sun noise gear for optimizing antennas

Projects I'm just think about:
Machining a steam engine to drive an electric generator
Building a software defined radio

Any other ideas for neat QRP projects?

--Zack W1VT

Date: Mon, 7 May 2001 09:11:02 -0400
From: "David Porter" <aa3ur@home.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [97784] Re: [OT] Mysteries of Cypher
Message-ID: <001f01c0d6f7\$2ba25920\$926e0941@jamison1.pa.home.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

For those of us who are near Washington DC, a trip to the NSA's Cryptologic Museum. The docents are typically retired NSA employees who lived and worked through at least some of what they tell you about. There are several Enigma machines, even one that you can use yourself. It is one of the best museums in the Washington DC area.
<http://www.nsa.gov/museum/>

----- Original Message -----

From: "John R Kirby" <n3aaz-qrp@juno.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Monday, May 07, 2001 8:49 AM
Subject: [OT] Mysteries of Cypher

>
> Some GOOD reading on the subject that will take you from
> a 'few hundred BC through the quantum theory of cypher (radio included).
>
> The Codebreakers by David Kahn ISBN 0-684-83130-9 (The "CLASSIC")
>
> The Code Book by Simon Singh ISBN 0-385-49531-5 (new WOW ! ! !)
>
> Code Breakers edited by Hinsley and Stripp ISBN 0-19-285301-X (inside
> story of Bletchley Park)
>
>
> Enjoy
> John
> N3AAZ
>
> -----
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Date: Mon, 07 May 2001 13:52:23 +0000
From: Brendan Minish <EI6IZ@oceanfree.net>
To: zlau@arrl.org, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [97785] Re: Why do QRPers Build?
Message-ID: <5.0.2.1.2.20010507131440.026882e0@mail.oceanfree.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 08:54 07/05/2001 -0400, Lau, Zack, W1VT wrote:

>Phase locking to GPS--should allow PSK-31 on 10GHz

I have just finished building a Project to phase lock my Counter,
a Racal-Dana 9918 (A real bargain over here @ ~\$100 each.) to GPS and the
results are very good, I now have a reference which is better than +/- 0.5
Hz at 10 Ghz.

Phase locking to GPS works really well but you need a very stable, well
behaved ovened oscillator to start with as the GPS timing needs averaging
over quite long periods of time for best results.
For information on GPS based frequency control have a look at Brooks
Shera's excellent project.
<http://www.rt66.com/~shera/>

--
Brendan Minish EI6IZ
ei6iz@oceanfree.net
PGP key available from key servers [wwwkeys.pgp.net](http://www.keys.pgp.net)

Date: Mon, 7 May 2001 07:30:53 -0700
From: "Bill Jones" <kd7s@psnw.com>
To: <ogbc@mindspring.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [97786] Re: Portable Vertical Ant
Message-ID: <012101c0d702\$55721460\$9910010a@fresno>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

A couple weekends ago I cobbled together a portable 20 meter antenna using a
'hamstick' type of antenna sitting over three resonant radials. The base of

the antenna (and the radial connection point) was raised about six feet off the ground using a chunk of PVC pipe. I anchored the end of the radials with plastic ten pegs. The radials also acted as guys to keep the whip vertical.

I spent about an hour in my back yard alternately trimming the radials and adjusting the whip until I got an SWR of under 1.5:1.

The antenna performed very well and enabled me to work stations coast to coast using a DSW-20 at about 1.5 watts output.

=====

Bill Jones - <><
Sanger, California

=====

----- Original Message -----

From: "Ken Kirkley" <ogbc@mindspring.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Saturday, May 05, 2001 15:08 PM
Subject: Portable Vertical Ant

> Looking for any input on using a Comet mobile vertical for use on 40 meter
> cw qrp...Would I need to run some kind of a counterpoise? Will the ant
work
> OK without having the metal of the vehicle as a ground plane? Anyone else
> tried such?
>
> 72,
> Ken/N04D
>
>

Date: Mon, 7 May 2001 10:31:53 -0400
From: "AI2Q Alex" <ai2q@adelphia.net>
To: <n4xy@att.net>, "'Low Power Amateur Radio Discussion'" <qrp-1@Lehigh.EDU>
Subject: [97787] RE: Free parts
Message-ID: <000301c0d702\$76dee740\$df0cf618@alex>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Ed:

One of the most interesting possibilities for using these devices, as well

as triacs, is in closed-loop regulated power HV supplies. In those applications the dc output is sampled and used to develop a pulse whose width gates the triacs on/off in the primary side of the supply. An article in QEX last year showed how the technique could be used to regulate a high-voltage supply of some 3 or 4 kV to within a few volts from no-load to full load.

Vy 73, AI2Q, Alex in Kennebunk, Maine QRP-L 687 .-.-.

-----Original Message-----

From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU] On Behalf Of Ed Tanton
Sent: Sunday, May 06, 2001 3:15 PM
To: Low Power Amateur Radio Discussion
Subject: Free parts

I have acquired a quantity of T0-92 sensitive-gate thyristors (SCRs.) At this time, I don't know the voltage rating, but plan to check them out on my curve tracer soon. Most of them are labeled "GE57" but I don't think that means a lot. Anyone wanting some can have all you want-I probably have several thousand or so. Anyone knowing of any interesting applications (besides lamp dimmers/etc.) for them might pass it along.

73 Ed Tanton N4XY <n4xy@arrl.net>

website: <http://www.n4xy.com>

LM: ARRL QCWA AMSAT & INDEXA;
SEDXC NCDXA GACW QRP-ARCI
OK-QRP QRP-L #758 K2 (FT) #00057

R-390: Motorola SN: 374;
R-390-A: Capehart SN: 2241
51S-1 WE SN: 4389
HRO-50; HRO-60; & HRO-500
SP600-VLF SP600-JX-17 SP-600-JX-21

Date: Mon, 7 May 2001 08:25:52 -0700 (PDT)
From: Stan Yarema <bg783@scn.org>
To: Andrew Madsen <andrew@utahdesign.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>

Subject: [97788] Re: BCD switch pinout
Message-ID: <Pine.SUN.3.96.1010507082036.4470A-1000000@scn>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I recently used my ohmmeter to analyze the pin-out for a very nice 5 digit switch stack. It turned out to be a two's compliment pattern.

That is, the BCD code you would expect for '1' turns out to be the BCD pattern for '9'. Likewise '2' looks like BCD code for '8'.

So, it doesn't look like I could use it for my original project, but it will work for something else.

72..... Stan, K7SY

Date: Mon, 7 May 2001 08:33:11 -0700 (PDT)
From: Gary Slagel <gdslagel@yahoo.com>
To: QRP L <qrp-l@Lehigh.EDU>
Subject: [97789] Re: Portable Vertical Ant
Message-ID: <20010507153311.10364.qmail@web11607.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Ken -

I did something similar last summer using a hustler vertical. I needed something that was self supporting and easy to set up so I could set it up on top of mountains, above the treeline, where its too hard to drive stakes. Also needed to be easy to carry so I could get to the TOP of the mountain :-).

My ant is a 6' piece of pvc, the hustler vertical and 3 pieces of redi-bolt that form a tripod to hold the thing up. I attach 3 wire radials using alligator clips. The hustler and redi-bolt fit inside the pvc for carrying. Have used it 5/6 times and works like a champ. Its amazing how well it works when ur on top of a mountain with the drop off all around.

The first time I used it I took some pics and put them on my web page with a little description of the antenna (plus some nice pics of the mountain, one of

Colorado's 14ers). If anyone's interested here it is:

<http://marina.fortunecity.com/sanpedro/351/mountsherman/mount-sherman.html>

73, Gary

> A couple weekends ago I cobbled together a portable
> 20 meter antenna using a
> 'hamstick' type of antenna sitting over three
> resonant radials. The base of
> the antenna (and the radial connection point) was
> raised about six feet off
> the ground using a chunk of PVC pipe.

=====

Gary Slagel/N0SXX

Conifer, CO 80433

gdslagel@yahoo.com

Personal Website: <http://marina.fortunecity.com/sanpedro/351>

Do You Yahoo!?

Yahoo! Auctions - buy the things you want at great prices

<http://auctions.yahoo.com/>

Date: Mon, 7 May 2001 09:17:30 -0700

From: "Trevor Jacobs" <fxtech@earthlink.net>

To: <andrew@utahdesign.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Subject: [97790] Re: BCD switch pinout

Message-ID: <002701c0d711\$386605c0\$720cf4d8@tjacobs>

MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Yea Andrew, 6 pins is strange. I use BCD switches in a lot of digital stuff I do. The norm is 5 pins. 1 common and the other four represent the binary values 1,2,4 and 8. As you switch to different numbers, you should see the pins short to the common pin. Set the switch on 1 and that will tell you the position of the 1 pin and common, then switch to 2 and see where the 2 and

the common is and then switch to 4 and then to 8 and you should have the switch mapped out. To get the other number values, the switch will use combinations of these numbers, ie 1+2=3, 4+2=6 etc. My guess is that one of the pins may not be used, or it's an extra common. Take care and hope this helps.

73

Trev

KG6CYN

----- Original Message -----

From: Andrew Madsen <andrew@utahdesign.com>

To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Sent: Sunday, May 06, 2001 7:00 PM

Subject: BCD switch pinout

> I just got a bunch of BCD switches from my dad. I'm trying to figure
> out what the pin out on them is. They are 10 position switches, and
> they have 6 pins. There is no manufacturer name on them. They have 907
> stamped on the side, and 212 and 589 stamped on the bottom. Any
> suggestions about how to figure out what the pin out is? I don't know
> which pin is the common pin, and I don't know why there are 6 pins.

> Thanks!

>

> --

> 73,

> Andrew R. Madsen AC7CF

> ac7cf@youngradioamateurs.com

> <http://www.youngradioamateurs.com/>

> League of Young Radio Amateurs

> Utah Section Manager

> Electronics Committee Chairman

> CW/QRP Committee Co-Chairman

>

>

Date: Mon, 7 May 2001 12:22:28 -0400

From: "w8diz" <w8diz@fpqrp.com>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Subject: [97791] Re: BCD switch pinout

Message-ID: <007201c0d711\$e90ccd00\$7ecd1b41@cinci.rr.com>

MIME-Version: 1.0

Content-Type: text/plain;

charset="Windows-1252"

Content-Transfer-Encoding: 7bit

If BCD switches have 6 connections, then most likely you have complimentary COMMON connections, in other words TWO truth tables...

0000	1111
0001	1110
0010	1101
0011	1100
0100	1011
0101	1010
0110	1001
0111	1000
1000	0111
1001	0110

72 & "oo's" - Dieter (DIZ) Gentzow - W8DIZ - Loveland, Ohio
Clermont County - EM79uf - near Cincinnati; 39.218N - 84.305W
SOC-8 DLQRPAG-1454 ARCI-10226 ARS-781 QRPL-1998 10X-9389 CATT-26
FP#-1 <http://home.cinci.rr.com/w8diz> & <http://kitsandparts.com>

----- Original Message -----

From: "Trevor Jacobs" <fxtech@earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Monday, May 07, 2001 12:17 PM
Subject: Re: BCD switch pinout

Yea Andrew, 6 pins is strange. I use BCD switches in a lot of digital stuff I do. The norm is 5 pins. 1 common and the other four represent the binary values 1,2,4 and 8. As you switch to different numbers, you should see the pins short to the common pin. Set the switch on 1 and that will tell you the position of the 1 pin and common, then switch to 2 and see where the 2 and the common is and then switch to 4 and then to 8 and you should have the switch mapped out. To get the other number values, the switch will use combinations of these numbers, ie 1+2=3, 4+2=6 etc. My guess is that one of the pins may not be used, or it's an extra common. Take care and hope this helps.

73
Trev
KG6CYN

----- Original Message -----

From: Andrew Madsen <andrew@utahdesign.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Sent: Sunday, May 06, 2001 7:00 PM
Subject: BCD switch pinout

> I just got a bunch of BCD switches from my dad. I'm trying to figure
> out what the pin out on them is. They are 10 position switches, and
> they have 6 pins. There is no manufacturer name on them. They have 907
> stamped on the side, and 212 and 589 stamped on the bottom. Any
> suggestions about how to figure out what the pin out is? I don't know
> which pin is the common pin, and I don't know why there are 6 pins.
> Thanks!
>
> --
> 73,
> Andrew R. Madsen AC7CF
> ac7cf@youngradioamateurs.com
> <http://www.youngradioamateurs.com/>
> League of Young Radio Amateurs
> Utah Section Manager
> Electronics Committee Chairman
> CW/QRP Committee Co-Chairman
>
>

Date: Mon, 07 May 2001 10:35:20 -0700
From: Mighty Mik <mightymik2@home.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [97792] Re: Why do QRPers Build?
Message-ID: <5.0.2.1.0.20010507102457.00a1eec0@mail>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 08:54 AM 5/7/01 -0400, you wrote:
>How about the DB6NT 10GHz transverter in the May 2001 QST?
>It is considerably different than either the K1, K2, SW 20+, SW40+,
>MFJ9340K, or Ten Tec 1056--I've built them all since my stroke.

Hmm...a trip to the news stand is in order :)

>I'm still working on a wide variety of projects, even after building gear
>to get on 20 amateur bands:
>
>Phase locking to GPS--should allow PSK-31 on 10GHz

>24GHz SSB at the 1/2 watt level
>Custom brass tuning knobs machined on my lathe/mill
>47GHz and higher transverters.
>Sun noise gear for optimizing antennas
>
>Projects I'm just think about:
>Machining a steam engine to drive an electric generator
>Building a software defined radio
>
>Any other ideas for neat QRP projects?

How about one that flies? I suggest a search on slowfly / parkfly. Some of there will fly indoors if you have the room, and in most backyards if you have the skill.

The GWS Litestik is popular, and can be had for \$27 or so WITH MOTOR! Just add a nice small radio, and go fly. BTW the popular reciever for this size aircraft is the Hitec Feather, which is 4 channel FM SINGLE conversion. (range 500 feet). It weighs all of 6 grams. Flight packs are 6,7,or 8 cell 110maH nicad, and 270maH NiMH. That's small. Call 'em QRPlanes. Extra points for 6 meter control.

Build a QRPlane ;)

>--Zack W1VT

Date: Mon, 07 May 2001 14:02:30 -0400
From: Bruce Muscolino <w6toy@erols.com>
To: mightymik2@home.com
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [97793] Re: Why do QRPers Build?
Message-ID: <3AF6E336.43D3DE65@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Nik,

There is a very active park flyer/ micro flyer news group at WWW.RCMicrofilght.com. They are part of Model Airplane News. They also publish a monthly newsletter that costs about \$40.00 per year. RC aircraft are fun, but do take some skill for the building and for the flying part! Micro flight does not mean slow flight!

Date: Mon, 7 May 2001 14:23:23 -0400 (EDT)
From: Bob Patten <n4bp@bc.seflin.org>
To: n3epa@fast.net
Cc: QRP-L Reflector <qrp-l@lehigh.edu>
Subject: [97794] Eastern PA QRP Club TAC Contest
Message-ID: <Pine.3.89.10105071400.A27235-0100000@bc.seflin.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Ron,

Many thanks for the nice certificate for last year's Telephone
Area Code contest. I hope to participate again this year on June 2.

73,

Bob Patten, N4BP

, ' ' ,
(0 0)

Plantation, FL

-----o00o-()-o00-----

E-Mail: n4bp@bc.seflin.org
Web Page: <http://www.qsl.net/n4bp>

QRP ARCI #3412 FISTS #7871 ARS #799 SOC #1 Whiners #6

Date: Mon, 07 May 2001 11:36:50 -0700
From: JJ&A <w7ls@blarg.net>
To: qrp-l@lehigh.edu
Subject: [97795] Ten Tec 1340 40M qrp transceiver
Message-ID: <3AF6EB42.23569B15@blarg.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

[http://cgi.ebay.com/aw-cgi/eBayISAPI.dll?
ViewItem&item=1234017084&r=0&t=0&showTutorial=0&ed=989385467&indexURL=0&rd=1](http://cgi.ebay.com/aw-cgi/eBayISAPI.dll?ViewItem&item=1234017084&r=0&t=0&showTutorial=0&ed=989385467&indexURL=0&rd=1)

Date: Mon, 7 May 2001 11:58:47 -0700
From: "DTX" <dtx@wood.tzo.com>
To: <qrp-l@lehigh.edu>

Cc: <w6toy@erols.com>
Subject: [97796] Re: Why do QRPers Build?
Message-ID: <004301c0d727\$bf415480\$0c00a8c0@home>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Ooops, that was flight, not filght ;-)

<http://www.rcmicroflight.com/>

----- Original Message -----

From: "Bruce Muscolino" <w6toy@erols.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Monday, May 07, 2001 11:02 AM
Subject: Re: Why do QRPers Build?

> Nik,
>
> There is a very active park flyer/ micro flyer news group at
> WWW.RCMicroflight.com. They are part of Model Airplane News. They also
> publish a monthly newsletter that costs about \$40.00 per year. RC
aircraft
> are fun, but do take some skill for the building and for the flying part!
> Micro flight does not mean slow flight!
>
> 73
>

Date: Mon, 7 May 2001 16:52:38 -0400 (EDT)
From: George Gingell <k3tks@u1.abs.net>
To: QRP List <qrp-1@Lehigh.EDU>
Subject: [97797] Re: Why do QRPers Build?
Message-ID: <Pine.BSF.4.33.0105071606390.98901-100000@u1.abs.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Talk about a hot question! I am sure that each of us has a different answer. All of them are right. I also think that the reason we build or don't build changes over time, or at least varies at different points in our lives.

I try to think of some of the better reasons, but I usually just come up with the one that it is Fun to do and can be relaxing and educational at the same time.

On the other hand some of us seem to fall into the Collector category rather than the builder category.

I definately disagree with the idea that too many of the kits or projects are too similar, boring, etc. I would love to have two of every one.

One built and one Unbuilt. Having seen the collections of a few others of this list, I can safely say that there are at least a few who also like to collect QRP things. Unfourtnately, I have not been able to keep up with the program the past few years. I have added a few unbuilt kits to my collection, but have also missed out on a few.

As I recall, building kits and duplicating the works of others has been one of the biggest reasons for growth in this ham radio hobby.

If it weren't for the Herring Aid 5's, Tuna Tin II's, Micro-80's, Oner's, and a whole list of other more complex projects, How many of us would be here today?

Maybe we should take a minute and reflect on them and the Many gifted individuals who have brought their ideas to us.

I sit here wondering if I will live long enough to build all of these kits. Kind of like insurance, I can't leave til the work is done... :^}

Funny thing, I just received a small package in the post today from Russia. Yes, yet another kit. The Micro-80 by Oleg Boridin, RV3GM.

The postage probably cost more than the components. Think about that for a minute. It even had a case. A Plastic Tape Cassette Case wrapped in a Plain Brown Wrapper and tied with a rough brown string. The instruction sheet was in English and the Schematic was quite clear. It included details for 160-20 meters. You must provide the Crystal. The most interesting parts were the Semiconductors. The first time that I have seen Russian Transistors. The PCB was a bit thicker than normal, but quite suitable. May have been done in a home shop, but looks good for the job.

I suspect that it will become popular on 80M along with many of the other little fun rigs that are too Simple to be bother with, Unless of course, having fun is your object.

YIB? BIC!

Sir George, The First :^}

72 ES

QRP DX TU (C) 1986, G. "Danny" Gingell, K3TKS@ abs.net
Former QRP A.R.C.I. Net Manager and Board of Director Member.
Gingell & Company, Ltd. Small Business Telephone Systems
Notary Public and Commercial Locksmith Services (301) 572-6789 Office & Fax
George D. Gingell, Jr. 3052 Fairland Road, Silver Spring, MD 20904-7117
Maryland Milliwatt Club QRP Reference Library, (301) 572-6789 IQRR #1
Maryland Milliwatt Club Founder and Trustee of Club Station - WQ3RP -
Grid Square FM19mb 76.94 W - 39.06 N Silver Spring, MD 20904 QRPea.A.

"72" = "Wishing You Good QRP" (C) 1991 Oleg Borodin, RV3GM

Date: Mon, 7 May 2001 17:00:16 -0400
From: "Charles Mabbott" <crmabbott@mediaone.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [97798] Why do QRPers Build?
Message-ID: <GAECLOGOMILPLBGKKPEGIEKDCHAA.crmabbott@mediaone.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="us-ascii"
Content-Transfer-Encoding: 7bit

The two kits [so far] I have built were because I was traveling alot, living on the road out of suit case. I found a kit and some tools did not take up to much room in suit case, a Radio Scrap was never far for small parts. It beat the heck out of sitting in a bar and I learned some stuff.

What better reason is there than learning stuff? Great hobby and keep the kits [no matter what they are] coming!! Would like to see a mini paddle that mimics a bug, for traveling. I love my bug, but hate to try and pack it.

My .02

73,

=====

Chuck Mabbott

AA8VS

42 19' 52" N 83 28' 32" W

Grid Square EN82gh

Home Page: <http://aa8vs.dhs.org/aa8vs>

Date: Mon, 7 May 2001 17:11:57 -0400 (EDT)
From: George Gingell <k3tks@u1.abs.net>
To: QRP List <qrp-l@Lehigh.EDU>
Subject: [97799] Re: IRC's and \$\$\$
Message-ID: <Pine.BSF.4.33.0105071652500.98901-100000@u1.abs.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Interesting comments on IRC's and "Green Stamps" here recently.

I may have a few stashed away with the QSL Collection. It has been a long time since I have even thought about those things.

Maybe one day I will decide to get back into the paper chase.

\$ 1.75 for 1 IRC is getting steep. \$ 3.50cn Wow! That means that the Request for 4 IRC's and QSL for that Ukranian Expedition is \$ 7.00US or \$14.00CN We are talking serious bucks now..

That makes the value of those "Discounted IRC's" go up.

The real reason that I was prompted to do this posting, relates to the sending of "Green Stamps" not IRC's.

Please Check around with the Dx Lists, etc. Before you Send "Green Stamps"! There are still places in the world where the Receipient of "Green Stamps" can get in trouble with their government.

Also there are people who will sell you Regular Postage in the correct amount for various countries. Remember, the returning QSL needs the Postage Stamp from the Country of Origion, not Destination. That means that a S.A.S.E. for Dx Will NOT BE A USA STAMP. :^} Although, some will accept Unused U.S. Postage Stamps in place of "Green Stamps" but the same warning may apply.

Good Luck with your QSL's, and thanks for supporting the QRP DXers out there.

One last Thought, If you find an old shoebox full of old IRC's don't throw

them out. Consider Donating them to some of the New Paper Chasers here on the list, or send them to a deserving Dxer on the other side of the pond.

Support QRP Dx Expeditions.

Sir George, The First :^}

72 ES

QRP DX TU (C) 1986, G. "Danny" Gingell, K3TKS@ abs.net
Former QRP A.R.C.I. Net Manager and Board of Director Member.
Gingell & Company, Ltd. Small Business Telephone Systems
Notary Public and Commercial Locksmith Services (301) 572-6789 Office & Fax
George D. Gingell, Jr. 3052 Fairland Road, Silver Spring, MD 20904-7117
Maryland Milliwatt Club QRP Reference Library, (301) 572-6789 IQRR #1
Maryland Milliwatt Club Founder and Trustee of Club Station - WQ3RP -
Grid Square FM19mb 76.94 W - 39.06 N Silver Spring, MD 20904 QRPea.A.

"72" = "Wishing You Good QRP" (C) 1991 Oleg Borodin, RV3GM

Date: Mon, 7 May 2001 15:16:12 -0600 (MDT)
From: "Karl F. Larsen" <k5di@zianet.com>
To: Floyd Smithberg <nq7x@earthlink.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [97800] Re: QRPTTF & Microlight
Message-ID: <Pine.LNX.4.33.0105071515100.1219-1000000@localhost.localdomain>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hope the battery lasts through Ft. Tuthill...will want to see that.
Lithium batteries are not cheap.

On Sun, 6 May 2001, Floyd Smithberg wrote:

> Finally...been fighting ISP problems geeesh! Poor condx but managed 104Qs,
> 13 of the bonus stations, 45 SPC and 800 bonus pts for score of 61,775.
> Yesterday, after the ScQRPion meeting I stopped at FRY'S to check out any
> new goodies and found a keychain type flashlight \$9.95 that has a VERY high
> intensity output...like a laser but diffused. Uses a 100.000 hr micro
> fluorescent DCCT(Direct Color Chip Technology) bulb..."one mile visibility
> at night" Uses two 3V lithiums...how long they'll last I haven't a
> clue...yet. At close range it's blinding...see it at www.inovalight.com

> 73 Floyd NQ7X Phoenix,AZ ScQRPion DM33uq
>
>

--

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -

Date: Mon, 7 May 2001 22:15:34 +0100
From: "Ted Williams" <ted@g0u1l.fsnet.co.uk>
To: "QRP-L" <qrp-l@lehigh.edu>
Subject: [97801] Component help, please
Message-ID: <005301c0d73a\$f2f6a7e0\$35c7883e@tedspc>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Folks,

I'm trying to find a source, preferably within the EU, of dust iron cores T50-3, which I gather are coloured grey.

If anybody can point me in their direction I'd be very grateful.

These are specified in a design for a thru-line wattmeter.

Many thanks, Ted, g0u1l

Date: Mon, 7 May 2001 17:23:37 -0400 (EDT)
From: George Gingell <k3tks@u1.abs.net>
To: QRP List <qrp-l@Lehigh.EDU>
Subject: [97802] Vehicle Mounted Verticals
Message-ID: <Pine.BSF.4.33.0105071712120.98901-100000@u1.abs.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I saw a posting recently about a problem using the Verticle Whips on Vehicles with Plastic Roofing or bodies. Seems like more and more are turning to Plastic these days.

One simple solution which I found useful in the past. Take a Sheet of Plywood, About 24" X 36" or larger if you can. and Mount some rubber suction cups on the bottom. I had some about 3" dia. that were part of a very Cheap Roof Rack Mount. It also had some hooks and belts for attachment to the rain gutters. (Now also missing on many cars :^}

I then added a sheet of Tin (Actually Steel) from the Hardware store. Just fasten it down on the edges with short (3/8") sheetmetal screws. This makes a good Base for your MagMount Antenna Base. You can also Add Trailing Radials if you like.

This is one good solution for the Fiberglass Shell on the Pickup Truck.

Although I am partial to just Using Double Sided Tape to Add the Sheetmetal Ground Plane to its roof.

Sir George, The First :^}

72 ES

QRP DX TU (C) 1986, G. "Danny" Gingell, K3TKS@ abs.net
Former QRP A.R.C.I. Net Manager and Board of Director Member.
Gingell & Company, Ltd. Small Business Telephone Systems
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George D. Gingell, Jr. 3052 Fairland Road, Silver Spring, MD 20904-7117
Maryland Milliwatt Club QRP Reference Library, (301) 572-6789 IQRR #1
Maryland Milliwatt Club Founder and Trustee of Club Station - WQ3RP -
Grid Square FM19mb 76.94 W - 39.06 N Silver Spring, MD 20904 QRPea.A.

"72" = "Wishing You Good QRP" (C) 1991 Oleg Borodin, RV3GM

Date: Mon, 7 May 2001 17:22:59 -0400
From: "Dennis Brickey" <n4dd@preferred.com>
To: <qrp-l@lehigh.edu>
Subject: [97803] QRPTTF N4ROA STYLE
Message-ID: <001601c0d73b\$e4d9dfa0\$9a7860ce@computer>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

We had a great time on High Knob Mountain. Click below to see photos, summary, and contest log. <http://www.qsl.net/n4dd> Page down to the N4ROA summary. Let

me know what
you think. Best regards to all!!

Dennis/N4DD

Date: Mon, 07 May 2001 14:31:02 -0700
From: Phil Wheeler <w7ox@earthlink.net>
To: k5di@zianet.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [97804] Re: QRPTTF & Microlight
Message-ID: <3AF71416.D7F8B417@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Photon (or whatever the company name is) makes the Photon and the Photon II. The latter comes in several colors. Those that use two batteries are very bright and have, as I recall, a 10 hr life per pair of batteries. But the yellow, orange and red models use a single 2032 battery and are rated at 100 hrs; not as bright, but I find the yellow one I carry very adequate for reading my K1 display and maintaining a log at night.

Phil W7OX

"Karl F. Larsen" wrote:

>
> Hope the battery lasts through Ft. Tuthill...will want to see that.
> Lithium batteries are not cheap.
>
> On Sun, 6 May 2001, Floyd Smithberg wrote:
>
> > Finally...been fighting ISP problems geeesh! Poor condx but managed 104Qs,
> > 13 of the bonus stations, 45 SPC and 800 bonus pts for score of 61,775.
> > Yesterday, after the ScQRPion meeting I stopped at FRY'S to check out any
> > new goodies and found a keychain type flashlight \$9.95 that has a VERY high
> > intensity output...like a laser but diffused. Uses a 100.000 hr micro
> > fluorescent DCCT(Direct Color Chip Technology) bulb..."one mile visibility
> > at night" Uses two 3V lithiums...how long they'll last I haven't a
> > clue...yet.

Date: Mon, 07 May 2001 18:04:08 -0400
From: Henry Freedenberg <henryf@quartz.gly.fsu.edu>

To: qrp-1@lehigh.edu
Subject: [97805] WB8RCR QSL Maker Software Question
Message-ID: <4.3.1.2.20010507175944.00a74d10@gly.fsu.edu>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

I just fired up WB8RCR's excellent QSL Maker program in order to print up some cards to distribute during FDIM.

Does anyone know why I can't fit 4 cards on a single page? Do I have a setting wrong? The most I seem to be able to do is print 2 complete cards one above the other. When I try to fit 4 cards on a page, the edge of one of the cards is truncated. I've tried moving the printing coordinates but it does not do any good. Am using V2.1.

Anyone have any suggestions?

Henry

Date: Mon, 7 May 2001 17:55:24 -0400
From: Mike <kd0ar@alltel.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [97806] Why do QRPers Build?
Message-ID: <01050718083100.04849@shack>
Content-Type: text/plain
MIME-Version: 1.0
Content-Transfer-Encoding: 8bit

Let me turn this question around for a minute....

I got into ham radio because I was an electronics experimenter, and ham radio provided the ideal forum for my interests. 20 years later, I still enjoy building, and QRP circuits are easily reproduceable and very reliable for the home builder. I have been building on and off the entire time I have been a ham, and recently got the "bug" again. I am currently working on a 40 meter receiver which I am scratch building, and so far it is moderately successful. I built a "tuna tin 2" transmitter over the weekend and have yet to make a contact with it, but I'm determined to keep trying. It puts out about a quarter watt.

The challenges of QRP are twofold (at least for me)...

First is the challenge of making the homebrew gear work. Usually this isn't a big challenge if it's a simple circuit. But it's fun scratch building stuff.

Second, the challenge of the reduced power (with my poor antennas). I know 1/4 watt will reach out, but I haven't had the tuna tin on the air long, and

possibly conditions aren't the best. I plan to keep trying however.

Up till now, I've scratch built my own rigs QRP wise, but have just ordered an SW-30 from Small Wonder Labs. Looks like a fun little radio. I built a "30 meter fun machine" about 10 years ago when it appeared in CQ, and worked about 10 or so countries with it. Sensitivity was never real good, and the most power I've been able to get with it was about 3/4 watt, but it provided many hours of enjoyment. I no longer have the radio, but the SW-30 looks like a very similar radio, so I'm looking forward to building the kit. Haven't built a kit in AGES!

So, for me, being a homebrewer, QRP is a natural.

Mike

<http://www.alltel.net/~kd0ar>

Date: Mon, 7 May 2001 18:18:52 -0400
From: "Sam Billingsley" <sambillingsley@earthlink.net>
To: <QRP-L@Lehigh.EDU>, "_NOGAQRP_reflector" <nogaqrp@qth.net>, "_NOGATECH" <nogatech@topica.com>
Subject: [97807] Comments on the 1/4 wave counterpoise used on my W3EDP (or random wire) + L-Tuner config.
Message-ID: <005401c0d743\$b41aa680\$0c4e2042@sbillingsley>

Several folks have asked me about why I'm stressing using a 1/4 wave counterpoise for the W3EDP versus the normal 17 ft one mentioned in the history or it.

First, although I don't own a ZM-2 and they are FB units I don't doubt that it would handle the normal 80/40/20/15/10 mtrs with the 17 ft counterpoise without a problem. My LDG tuner handles most bands without a problem too.

I don't always have the 87 ft antenna element length called for in the W3EDP so I use whatever I can get into the air. That's really where the 1/4 wave counterpoise helps the L-tuner in the LDG tests I have done. I have a thing about NOT used baluns between longwires and tuners and just run the wire out of the center of the normal coax output from the tuner. The counterpoise is just screwed to the tuner case (ie RF ground). My gut feeling is that the added balun just to connect the antenna and counterpoise to the tuner is unnecessary and may actually introduce some loss. This loss may not be recognized in the SWR reading that is just sensing the match of the rig and input to the tuner.

I guess this needs to be tested.

I think in the "old" days the RF ammeter connected right into the antenna

wire element would directly tel the story but I haven't seen many of them lately.

The key for me is getting something small, light weight and power free for backpacking so the ZM-2 and Norcal BLT are good choices. Several of the NOGA guys have moded their BLTS to ground one side of the output link for this type operation.

It's amazing to me that almost ANY wire in the air can radiate and result in successful contacts. At my St. Simons, Ga location the no antenna convenents force me to use a simple 21 ft piece of wire out the sliding door and up to a nearby tree limb. The tuner in the condo floor and the counterpoise running around the edge of the room perimeter allow me enough QSOs to keep the blood pressure down. :-)

So don't worry too much about specific lengths if you can get the SWR down to something below 2 to 1. The losses will be insignificant for the very short coax runs between the rig and the tuner in these situations.

BTW if anyone wonders what the L-tuner comments are about check my tuner article at:

<http://www.qsl.net/ae4gx/ATLTuner.htm>

Sam AE4GX

Date: Mon, 07 May 2001 18:37:36 -0400
From: adamvaz@palm.net (Adam Vazquez)
To: ogbc@mindspring.com, qrp-1@Lehigh.EDU
Subject: [97808] Re: Comet HV Portable Vertical Ant
Message-ID: <GCZLI000.9F1@mo110uhou.palm.net>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hello de Adam Kb2Jpd

The Comet will need a a good ground or counterpoise to operate properly. The design and intent of the antenna was to work well off the trunk of a Nipponese automobile. The coils seem to act like they are self-resonant and are made out of cardboard and magnet wire, so don't

try to bend one.

I am building a portable mount out of a RadioShack HeavyDuty TV Tripod. I will install a SO-239 & 3/4 mount on separate brackets for side by side comparison w/ my four foot Outbacker Stealth+.

Try to find a MFJ/AEA antenna analyzer and some spare replacement rods before you cut up your original set of rods. Every single part of that antenna is expensive.-As for tuning,The Comet was always a fickle beast on the lower bands. Using a SWR Bridge or a RX Noise Bridge on the Comet was such a chore.

I am still deciding whether to buy another tripod and cannibalize it for making the counterpoises or run copper foil down at the end of the feet.

Just want it to be schleppable.

Unfortunately finding the time to do the building of the mount is very tough. Doing doubles(12 to 16 hours) 2x or 3x weekly takes a toll. Now too, SGC has a DSP retrofit for my SG-2020 radio.

Build or ship,Build or ship, hmmm.....

Adam Kb2Jpd

+==+==+==+==+==+==+==+==+==

ogbc@mindspring.com wrote on 5/5/01 6:08 pm:

>Looking for any input on
>using a Comet mobile
>vertical for use on 40 meter
>cw qrp...Would I need to run
>some kind of a
>counterpoise? Will the ant
>work
>OK without having the metal
>of the vehicle as a ground
>plane? Anyone else
>tried such?
>
>72,
>Ken/N04D
>
>

Date: Mon, 07 May 2001 18:54:05 -0400

From: Hank Kohl K8DD <k8dd@arrl.net>
To: qrp-l@lehigh.edu
Subject: [97809] Dayton, Rooms & events
Message-ID: <5.0.2.1.2.20010507185000.025fb398@mail.tir.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

The final Ramada Inn room list is posted
<http://www.qsl.net/k8dd/rooms/rooms.htm>

For those attending the 50th Dayton Hamvention, take a look at
<http://www.hamvention.org> There are changes this year!

For those also attending the QRP Happenings at the Ramada Inn South,
take a look at <http://www.qrparci.org> There is a lot going on at Dayton!

*/ Hank Kohl K8DD k8dd@arrl.net
*/ ARRL TS <http://www.qsl.net/k8dd>
*/ MI-QRP - Vice Pres. QRP-ARCI - Director
*/

End of QRP-L Digest 2182

